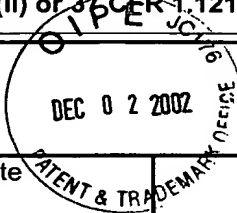| SUBMISSION OF PROPOSED DRAWING AMENDMENT FOR APPROVAL BY EXAMINER (37 CFR 1.121(a)(3)(ii) or 37 CFR 1.121(b)(3)(ii))	Docket No. 872.0014.USU

In Re Application Of: Seppo Alanara

DEC 0 2 2002

Serial No. 09/783,917	Filing Date 02/15/2001	Examiner Tran, Pablo N.	Art Unit 2684

Invention: Backwards Compatible, Extended Method to Execute Check Number Calculation of IMEI

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

Attached please find:

(check applicable items)

☒   a sketch in permanent ink

☐   a copy of the original drawing(s) with red ink

showing proposed changes to the drawing(s) in this application for which the approval of the examiner is requested.

Dated: November 25, 2002

Signature

Harry F. Smith
Reg. No. 32,493
Harrington & Smith, LLP
4 Research Drive
Shelton, CT 06484-6212
(203) 925-9400 phone
(203) 944-0245 fax

P24/REV01

Luhn formula for computing modulus 10 "double-add-double" check digit

The following steps are involved in this calculation:

Step 1: Double the value of alternate digits beginning with the first right-hand digit (low order).

Step 2: Add the individual digits comprising the products obtained in Step 1 to each of the unaffected digits in the original number.

Step 3: Subtract the total obtained in Step 2 from the next higher number ending in 0 [this is the equivalent of calculating the "tens complement" of the low order digit (unit digit) of the total]. If the total obtained in Step 2 is a number ending in zero (30,40, etc.), the check digit is 0.

Example:

Account number without check digit 4992 73 9871

Steps

4	9	9	2	7	3	9	8	7	1	1
	x2		x2		x2		x2		x2	
	18		4		6		16		2	2

$4 + 1 + 8 + 9 + 4 + 7 + 6 + 9 + 1 + 6 + 7 + 2 = 64$ 2

$70 - 64 = 6$ 3

Account number with check digit 4992 73 9871 6

$$\text{Fig. 6}$$

PRIOR ART